

	8	7	6	5	4	3	2	1
H	<u>NOTES FOR DESIGNER:</u> (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)							
G	1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.				8. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:			
F	2. SIZE CONDENSATE BRANCH LINE NO SMALLER THAN THE TRAP INLET. MINIMUM SIZE IS 3/4".				A. SPEC 15121, STEAM AND CONDENSATE SPECIALTIES (BLDG).			
E	3. USE TWO PRV'S IN SERIES WHEN THE TOTAL REDUCTION IN PRESSURE IS MORE THAN A 10 TO 1 RATIO OF THE GAUGE PRESSURE. SEE SHEET 2. SET THE FIRST PRV AT APPROXIMATELY 60 PSIG AND THE SECOND AS REQUIRED.				B. SPEC 15181, STEAM AND CONDENSATE PIPING (BLDG).			
D	4. USE TWO PRV'S IN PARALLEL WHEN THE LOAD DEMANDS FLUCTUATE THROUGH A WIDE RANGE. SEE SHEET 3.				C. SPEC 02554, STEAM AND CONDENSATE DISTRIBUTION (SITE).			
C	A. WHEN SPLIT BETWEEN LOADS IS UNKNOWN, SELECT VALVES WITH CAPACITIES OF 1/3 AND 2/3 OF THE MAXIMUM LOAD WITH THE SMALLER VALVE SET AT 2 PSIG HIGHER THAN THE LARGER VALVE. (AS THE LOAD INCREASES, THE PRESSURE DROPS AND THE LARGER VALVE OPENS).							
B	5. RELIEF VALVE SETTINGS (PER 2000 ASHRAE SYSTEMS HANDBOOK, PAGE 10.10)							
A	A. REDUCED PRESSURE UNDER 35 PSI: SET RELIEF VALVE AT LEAST 5 PSI HIGHER THAN REDUCED PRESSURE.							
	B. REDUCED PRESSURE ABOVE 35 PSI: SET RELIEF VALVE AT LEAST 10 PSI HIGHER THAN REDUCED PRESSURE.							
	6. BYPASS AROUND PRV SHALL BE EQUAL TO THE PRV INLET SIZE.							
	7. MOISTURE SEPARATOR SHALL BE LINE SIZE. INSTALL ONLY IN BUILDING STEAM SUPPLY LINE TO BUILDING.							
	A. MINIMUM BUILDING SUPPLY LINE SIZE 2 1/2"							
	B. TRAP SIZE AND CONDENSATE PIPING SIZE SHALL BE THE SAME SIZE AS THE MOISTURE SEPARATOR DRAIN PORT. MINIMUM SIZE 3/4".							

DRAWING DEVELOPED FOR ML-3/
 ML-4 PROJECTS. FOR ML-1/
 ML-2, ADDITIONAL REQUIREMENTS
 AND QA REVIEWS ARE REQUIRED.
 (REMOVE THIS NOTE WHEN IN-
 SERTED INTO A DRAWING PACK-
 AGE).

1	8-13-03	U	REVISED NOTES. DWG NO. WAS ST6202.	RP	RF	JM	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES								
ENGINEERING STANDARDS MANUAL				DRAWN	R.PEARSON			
DESIGN				CHECKED	R.FROST			
STEAM PRV STATION DETAIL				DATE	6-28-99			
DESIGN NOTES								
BLDG X				TA-X				
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE POC: GURINDER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
				SHEET				
Los Alamos NATIONAL LABORATORY				4 OF 4				
CLASSIFICATION U				REVIEWER LARRY BAYS		DATE		REV
PROJECT ID				DRAWING NO				1
CHAPTER 6				ST-D3020-2				